STIC EIC 2100
Search Request Form

Today's Date: 01/09/04

What date would you like to use to limit the search?
Priority Date: 9/11/2000   Other: —

Name Basque To

AU 2172   **Examiner #** 78889

Room # 4A42   **Phone** 305-1949

Serial # 09/480,390

Format for Search Results (Circle One):
(PAPER)   DISK   EMAIL

Where have you searched so far?
(USP) (DWPI) (EPO) (JPO) ACM (IBM) TDB
IEEE   INSPEC   SPI   Other _____

Is this a "Fast & Focused" Search Request? (Circle One) (YES) NO

A "Fast & Focused" Search is completed in 2-3 hours (maximum). The search must be on a very specific topic and meet certain criteria. The criteria are posted in EIC2100 and on the EIC2100 NPL Web Page at http://ptoweb/patents/stic/stic-tc2100.htm.   Michael P. Wagner EMC

What is the topic, novelty, motivation, utility, or other specific details defining the desired focus of this search? Please include the concepts, synonyms, keywords, acronyms, definitions, strategies, and anything else that helps to describe the topic. Please attach a copy of the abstract, background, brief summary, pertinent claims and any citations of relevant art you have found.

Please concentrate on:
— a process that does not own a particular resource
creates a lock (Partial or Full) upon a
receiving an inquiry from other process. (Mutex
or mutual — Exclusion)

lock partial   owner   mutex threen
temporary   command   plucuestn process
ghost   thread
lock

STIC Searcher Carol Wing   **Phone** 305-9723

Date picked up 2-9-04   **Date Completed** 2-9-04

STIC Search Report
EIC 2100

TO: Baoquoc To **Location: 4A42** **Art Unit : 2172** **Monday, February 09, 2004** **Case Serial Number: 09/480,390**	**From: Carol Wong** **Location: EIC 2100** **PK2-4B33** **Phone: 305-9729** **carol.wong@uspto.gov**

Search Notes

Dear Examiner To,

Attached are the search results (from commercial databases) for your case.

Color tags mark the patents/articles which appear to be most relevant to the case. Pls review all documents, since untagged items might also be of interest. If you wish to order the complete text of any document, pls submit request(s) directly to EIC2100 Reference Staff located in 4B40.

Please call if you have any questions or suggestions for additional terminology, or a different approach to searching the case.

Thanks,
Carol

Sira
Search and Information
Resources Administration

US-PAT-NO: 6026427

DOCUMENT-IDENTIFIER: US 6026427 A

TITLE: Condition variable to synchronize high level
                communication between processing threads

---------- KWIC ---------

Detailed Description Text - DETX (7):
  A condition variable is similar in some respects to a semaphore. Whereas a
semaphore allows **processes, or threads,** to synchronize by controlling their
access to data, a condition variable allows **threads** to synchronize on the value
of the data. Cooperating **threads** wait until data reaches some particular state
or until a particular event occurs. Thus, a condition variable is a
synchronization object that allows a **thread** to become locked, until it is
unlocked by some event. The unlocking can occur simultaneously, or as a result
of either a time-out or some other **thread** performing a signaling operation on
the condition variable. In use, condition variables are always associated with
a **mutual exclusion** (mutex). A **thread** is a single sequential flow of control in
a **process**. A **thread** may be currently processing or may be waited (i.e., its
processing is suspended). A mutex is a synchronization object used to allow
multiple **threads** to serialize their access to shared data. A mutex provides
mutual exclusion such that a thread that has locked a mutex becomes the **owner,**
and remains the **owner,** until the same **thread** unlocks the mutex.

US-PAT-NO: 5701470

DOCUMENT-IDENTIFIER: US 5701470 A

TITLE: System and method for space efficient object locking
                using a data subarray and pointers

---------- KWIC ---------

Detailed Description Text - DETX (38):

   For normal **mutex** operation, if the lock handling request (i.e., the request
being handled by the Lock2 method) is by a **thread** to synchronize with the
associated object, the **thread** is added to the waiting **thread** list for the
object. If the request is to release the lock held by a **thread,** the waiting
thread if any highest on the waiting **threads** list is made the lock **owner** and is
allowed to resume execution. If the request is to release the lock held by a
thread, and there are no waiting **threads,** then the lock status is updated to
"unlocked", which in some implementations may be indicated simply by the Lock
Owner datum being changed to a null value and the Lock status flag being reset
to False.

Patent Assignment Abstract of Title

Total Assignments: 1

Application #: 09480390   **Filing Dt:** 01/11/2000   **Patent #:** NONE   **Issue Dt:**

PCT #: NONE   **Publication #:** NONE   **Pub Dt:**

Inventor: Michael P. Wagner

Title: System, Device, and method for providing mutual exclusion for computer system resources

Assignment: 1

| **Reel/Frame:** 010599/0639 | **Received:** 03/15/2000 | **Recorded:** 02/14/2000 | **Mailed:** 05/08/2000 | **Pages:** 4 |

Conveyance: ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

Assignor: WAGNER, MICHAEL P.   **Exec Dt:** 02/03/2000

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Search Results as of: 2/9/2004 10:32:37 A.M.

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